

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/570835

Confirm. No.:

Filing Date:

3/3/2006

Inventor:

Joachim ARZT et. al.

Title:

EXTRACORPOREAL ORGAN CONSERVATION

Art Unit:

Examiner:

Attorney Docket No.:

06-022

To:

Commissioner for Patents

Mail Stop: PCT P. O. Box 1450

Alexandria, VA 22313-1450

Information Disclosure Statement for Non-English Language References

An Information Disclosure Statement, PTO Form PTO/SB/08, filed concurrently with this paper, lists four prior art references. Reference 4 is in the English language and requires no further comments.

Reference 1 is an application publication of German Application DE 43 42 728 A1 and discloses a method, equipment, and perfusion solutions for the preservation of isolated organs, in particular, isolated human liver. The perfusion solutions contain a watery fatty emulsion, as well as a perfluorcarbon emulsion for the oxygen supply. FIG. 1 shows a liver (11) submerged in a bath of perfusion solution. Oxygen is supplied to the solution by the oxygen tank (4).

Reference 2 is an application publication of German Application DE 100 15 807 A1, which discloses a method and equipment for preserving the vitality of organs, limbs, and tissue lobes by perfusion. The method uses an extracorporeal circulation system

that includes a perfusate circulation system and a dialysate circulation system. The two systems are coupled by a semipermeable membrane (3). The perfusate circulation system supplies the organs, limbs, tissue lobes with oxygen-rich, arterial perfusate and cleans the venal perfusate. The dialysate coming from the membrane (3) is oxygenated in the dialysate circulation system and cleaned of metabolic waste, and then returned to the membrane (3). According to the invention, the pressure difference between the perfusate circulation system and dialysate circulation system is periodically raised and lowered, such that periodically the pressure between the two circulation systems changes. This promotes an exchange across the membrane (3) and improves the performance of the equipment with regard to preserving vitality.

Reference 3 is an application publication of European Patent Application EP 1 062 870 A2, which discloses a perfusion system for human or animal organs or body parts (14), particularly, the liver. The perfusion system includes equipment for supplying blood to the organs or body parts, and at least one receptacle (10) for the organs or body parts. The receptacle (10) includes an outer sack (11) and an inner sack (13), whereby the inner sack encloses the organ or body part and is then stored in the liquid-filled outer sack (11).

Respectfully submitted,

Date: May 19, 2006

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Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of | 2

Complete if Known			
Application Number	10/570,835		
Filing Date	March 3, 2006		
First Named Inventor	Joachim Arzt		
Art Unit			
Examiner Name			
Attorney Docket Number	06-022		

U. S. PATENT DOCUMENTS						
Examiner Initials*	als* No.1		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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		FOREIG	N PATENT DOCU	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	-6
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	
	1	DE 43 42 728 A1	06/22/95	Dr. Karl Thomae GmbH		
	2	DE 100 15 807 A1	10/11/2001	Mediport Biotechnik Gmbh		
	3	EP 1 062 870 A2	12/27/2000	Jostra AG		
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Signature	Considered	

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				Application Number	10/570,835
INF	ORMATION	I DIS	CLOSURE	Filing Date	March 3, 2006
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	(Use as many sheets as necessary)			Art Unit	
	(Use as many sn	eets as II	ecessary)	Examiner Name	
Sheet	2	of	2	Attorney Docket Number	06-022
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	4	Michael R. Schoen; "LIVER TRANSPLANTATION AFTER ORGAN PRESREVATION WITH NORMOTHERMIC EXTRACORPOREAL PERFUSION", Annals of Surgery, Vol. 233, No. 1, 114 - 123, 2001.	
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